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From the

INTERNATIONAL PRELIMINARY EXAMINING

To:

LEE, Jong-Il

#904, BYC Bldg., 648-1 Yeoksam-dong, Gangnam-gu, 135-080 SEOUL. Republic of Korea

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing

(day/month/year) 01 DECEMBER 2004 (01.12.2004)

Applicant's or agent's file reference 03K100/PCT

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/months/year)

PCT/KR2003/001587

07 AUGUST 2003 (07.08.2003)

05 SEPTEMBER 2002 (05.09.2002)

Applicant

SK TELECOM CO., LTD. et al

- 1. The applicant is hereby notified that International Preliminary Examining Authority transmits here with the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report(but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details in the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide

Name and mailing address of the IPEA/KR

Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

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PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference 03K100/PCT	FOR FURTHER ACTION	THER ACTION SeeNotificationofTransmittalofInternationalPreliminary Examination Report (Form PCT/IPEA/416)		
International application No. PCT/KR2003/001587	International filing date(day/monosome) 07 AUGUST 2003 (07.0	-	Priority date (day/month/yed 05 SEPTEMBER 2002 (05	1
International Patent Classification (IPC) IPC7 H04Q 7/22 Applicant				
SK TELECOM CO., LTD. et	al			
This international preliminary examples and is transmitted to the applicant.	it according to Article 36.			ing Authority
2. This REPORT consists of a total of				
These annexes consist of a total	ofsheets.			
This report contains indications relating to the following items: I X Basis of the report II Priority III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV Lack of unity of invention V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI Certain documents cited VII Certain defects in the international application VIII Certain observations on the international application				
Date of submission of the demand 31 MARCH 2004		te of completion o	f this report BER 2004 (29.11.2004)	
Name and mailing address of the IPE. Korean Intellectual Property of Secondary Second	erty Office u, Daejeon 302-701,	JEONG, Hae K		



l. Ba	asis of	the report		
		ard to the elements of the international application:*		
· 区		international application as originally filed		
		description:		
		ges	, as originally filed	
	pa	ges	, filed with the demand	
	pa	ges, filed with the letter of		
		claims:	, as originally filed	
	pa pa	ges, as amended (together with any	statment) under Article 19	
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] th	e drawings:	_ , as originally filed	
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	☐ th	e sequence listing part of the description:		
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1 1	With r the int These	egard to the language, all the elements marked above were available or furnished to this Authornational application was filed, unless otherwise indicated under this item. elements were available or furnished to this Authority in the following language	nority in the language in which	
		he language of a translation furnished for the purposes of international search (under Rule 23	3.1(b)).	
		he language of publication of the international application(under Rule 48.3(b)).		
		the language of the translation furnished for the purposes of international preliminary example 55.3).	ination(under Rules 55.2 and/	
3.	With prelin	regard to any nucleotide and/or amino acid sequence disclosed in the international app ninary examination was carried out on the basis of the sequence listing:	lication, the international	
	contained inthe international application in written form.			
		filed together with the international application in computer readable form.		
		furnished subsequently to this Authority in written form.		
	$\overline{\Box}$	furnished subsequently to this Authority in computer readable form		
		The statement that the subsequently furnished written sequence listing does not go b international applicationas as filed has been furinshed.		
		The statement that the information recorded in computer readable form is identical to the been furnished.	written sequence listing has	
4.		The amendments have resulted in the cancellation of:		
		the description, pages		
		the drawings, sheets		
5.		This report has been established as if (some of) the amendments had not been made, sin go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	ce they have been considered to	
	Replai in this and 7	cement sheets which have been furnished to the receiving Office in response to an invitation of opinion as "originally filed." and are not annexed to this report since they do not containally.	under Article 14 are referred to in amendments (Rules 70.16	
**	Any r	eplacement sheet containing such amendments must be referred to under item I and annexed	l to this report.	

lni.	onal aplication No.
PCT/F	CR2003/001587

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-13	YES
		Claims		NO
	Inventive step (IS)	Claims	1-13	YES
		Claims		<u>N</u> O
	Industrial applicability (IA)	Claims	1-13	YES
		Claims		No

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1 : KR2000-0000244 A (15,JAN.2000)

D2 : KR2001-0108937 A (08.DEC.2001)

D3 : KR2000-0030035 A (05.JUN.2000)

D4: KR2000-0055316 A (05.SEP.2000)

D5 : US5926537 A (20.JUL.1999)

D6 : JP2000-106685 A2 (11.APR.2000)

D7: JP2000-050347 A2 (18.FEB.2000)

D8: WO2000-49793 A1 (24.AUG.2000)

D9 : KR2002-0039501 A (27.MAY.2002)

Claims1-13 of the present invention relate to a method of managing a trunk to provide a ring-back sound in a subscriber-based ring-back sound service, the ring-back sound servece method including the steps of a)a home location register providing first information indicating whether a ring-back tone preset in the home location register is substituted and second information for performing routing to intelligent peripheral means to a corresponding terminating mobile switching center when a location of a terminating subscriber is registered; b) the terminating mobile switching center providing a ring-back tone to an arbitrary originator or requesting a connection of a trunk call from the intelligent peripheral means according to the first and second information, when the terminating mobile switching center recognizes a call connection request transmitted from the arbitrary originator to the terminating subscriber; c) the intelligent peripheral means searching for a ring-back sound preset with respect to the terminating subscriber after connecting the trunk call in response to the trunk call connection request, and providing the searched ring-back sound to the originator instead of the ringback tone through the trunk-connected terminating mobile switching center, the trunk management method comprises the steps of: The terminating mobile switching center requesting a release of the connected trunk call from the intelligent peripheral means when an answer of the terminating subscriber is recognized or when a first predetermined period of time has elapsed from a time when it is recognized that the searched ring-back sound is provided to the originator; and The intelligent peripheral means requesting a release of the connected trunk call from the terminating mobile switching center when a second predetermined period of time has elapsed from a time when the ring-back sound begins to be provided.

D1-D9 do not include the features of claims 1-13.

Hence, the subject-matter of Claims 1-13 is novel and inventive according to PCT Article 33(2) and (3).

The industrial applicability of Claims 1-13 is self-evident in the sense of Article 33(4) PCT.